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SUBSTITUTE SEQUENCE LISTING

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<120> Inducing Cellular Immune Responses to Prostate Cancer
Antigens Using Peptide and Nucleic Acid Compositions

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<141> 2000-08-07

<150> US 07/926,666

<151> 1992-08-08

<150> US 08/027,146

<151> 1993-03-05

<150> US 08/027,746

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<150> US 08/454,033

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Pro Ala Asp Tyr Phe Ala Pro Gly Val Lys Ser Tyr Pro Asp Gly
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Pro Lys Lys Leu Gln Cys Val Asp Leu His Val Ile Ser Asn Asp
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Pro Tyr Asn Val Gly Pro Gly Phe Thr Gly Asn Phe Ser Thr Gln
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Pro Tyr Pro Leu Met Leu Pro Gly Cys Ser Pro Ser Cys Pro Leu
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Gln Gly Gly Val Leu Val Asn Glu Ile Leu Asn His Met Lys Arg
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Gln Ile Tyr Val Ala Ala Phe Thr Val Gln Ala Ala Ala Glu Thr
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Gln Ser Gln Trp Lys Glu Phe Gly Leu Asp Ser Val Glu Leu Ala
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Gln	Val	Tyr	Ile	Arg	Ser	Thr	Asp	Val	Asp	Arg	Thr	Leu	Met	Ser
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Gln	Trp	Val	Leu	Thr	Ala	Ala	His	Cys	Ile	Arg	Asn	Lys	Ser	Val
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Gln	Trp	Val	Leu	Thr	Ala	Ala	His	Cys	Leu	Lys	Lys	Asn	Ser	Gln
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Arg	Ala	Phe	Ile	Asp	Pro	Leu	Gly	Leu	Pro	Asp	Arg	Pro	Phe	Tyr
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Arg	Asp	Ser	Trp	Val	Phe	Gly	Gly	Ile	Asp	Pro	Gln	Ser	Gly	Ala
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Arg	Gly	Gly	Met	Val	Phe	Glu	Leu	Ala	Asn	Ser	Ile	Val	Leu	Pro
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Arg	His	Val	Ile	Tyr	Ala	Pro	Ser	Ser	His	Asn	Lys	Tyr	Ala	Gly
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Arg Lys Trp Ile Lys Asp Thr Ile Val Ala Asn Pro
1 5 10

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Arg Leu Gly Ile Ala Ser Gly Arg Ala Arg Tyr Thr Lys Asn Trp
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Arg Pro Arg Trp Leu Cys Ala Gly Ala Leu Val Leu Ala Gly Gly
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Arg Pro Ser Leu Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile
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Arg Gln Ile Tyr Val Ala Ala Phe Thr Val Gln Ala Ala Ala Glu
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Arg Ser Pro Ile Asp Thr Phe Pro Thr Asp Pro Ile Lys Glu Ser
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Arg Val Pro Val Ser His Ser Phe Pro His Pro Leu Tyr Asn Met

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Ser Asp Ile Val Pro Pro Phe Ser Ala Phe Ser Pro Gln Gly Met
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Ser Glu Lys Val Thr Glu Phe Met Leu Cys Ala Gly Leu Trp Thr
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Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu Pro Ala Glu Leu
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Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu Pro Ala Lys Ile
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Ser Lys Val Tyr Asp Pro Leu Tyr Cys Glu Ser Val His Asn Phe
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Ser Leu His Leu Leu Ser Asn Asp Met Cys Ala Arg Ala Tyr Ser
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Ser Arg Ile Val Gly Gly Trp Glu Cys Glu Lys His Ser Gln Pro
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Ser Thr Asp Val Asp Arg Thr Leu Met Ser Ala Met Thr Asn Leu
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Ser Thr Glu Trp Ala Glu Glu Asn Ser Arg Leu Leu Gln Glu Arg
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<213> Homo sapien

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<400> 6247

Ser	Val	Ser	Phe	Asp	Ser	Leu	Phe	Ser	Ala	Val	Lys	Asn	Phe	Thr
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Ser	Val	Thr	Trp	Ile	Gly	Ala	Ala	Pro	Leu	Ile	Leu	Ser	Arg	Ile
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Ser	Trp	Val	Phe	Gly	Gly	Ile	Asp	Pro	Gln	Ser	Gly	Ala	Ala	Val
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Thr	Asp	Ala	Val	Lys	Val	Met	Asp	Leu	Pro	Thr	Gln	Glu	Pro	Ala
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<400> 6251

Thr	Asp	Val	Val	Lys	Val	Leu	Gly	Leu	Pro	Thr	Gln	Glu	Pro	Ala
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<400> 6252

Thr	Glu	Phe	Met	Leu	Cys	Ala	Gly	Leu	Trp	Thr	Gly	Gly	Lys	Asp
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Thr Gly Ala Val Pro Leu Ile Gln Ser Arg Ile Val Gly Gly Trp
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Thr Gly Asn Phe Ser Thr Gln Lys Val Lys Met His Ile His Ser
1 5 10 15

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Thr Ile Leu Phe Ala Ser Trp Asp Ala Glu Phe Gly Leu Leu
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<400> 6256
Thr Leu Arg Val Asp Cys Thr Pro Leu Met Tyr Ser Leu Val His
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<400> 6257
Thr Leu Ser Val Thr Trp Ile Gly Ala Ala Pro Leu Ile Leu Ser
1 5 10 15

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Thr Asn Lys Phe Ser Gly Tyr Pro Leu Tyr His Ser Val Tyr Glu
1 5 10 15

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<400> 6259
Thr Arg Ile Tyr Asn Val Ile Gly Thr Leu Arg Gly Ala Val Glu
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<400> 6260
Thr Ser Leu Phe Glu Pro Pro Pro Pro Gly Tyr Glu Asn Val Ser

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 Thr Val Pro Leu Ser Glu Asp Gln Leu Leu Tyr Leu Pro Phe Arg

1	5	10	15
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 Thr Tyr Ser Val Ser Phe Asp Ser Leu Phe Ser Ala Val Lys Asn

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<400> 6263
 Val Ala Ala Phe Thr Val Gln Ala Ala Ala Glu Thr Leu Ser Glu

1	5	10	15
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 Val Ala Gln Val Arg Gly Gly Met Val Phe Glu Leu Ala Asn Ser

1	5	10	15
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 Val Ala Val Tyr Ser His Gly Trp Ala His Cys Gly Gly Val Leu

1	5	10	15
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 Val Ala Tyr Ile Asn Ala Asp Ser Ser Ile Glu Gly Asn Tyr Thr

1	5	10	15
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 Val Glu Met Tyr Tyr Arg Asn Glu Thr Gln His Glu Pro Tyr Pro

1	5	10	15
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Val Phe Glu Leu Ala Asn Ser Ile Val Leu Pro Phe Asp Cys Arg
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Val Phe Gln Val Ser His Ser Phe Pro His Pro Leu Tyr Asp Met
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Val His Pro Ile Gly Tyr Tyr Asp Ala Gln Lys Leu Leu Glu Lys
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Val Leu Gly Leu Pro Thr Gln Glu Pro Ala Leu Gly Thr Thr Cys
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Val Leu Arg Met Met Asn Asp Gln Leu Met Phe Leu Glu Arg Ala
1 5 10 15

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<213> Homo sapien

<400> 6275
Val Met Asp Leu Pro Thr Gln Glu Pro Ala Leu Gly Thr Thr Cys
1 5 10 15

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<211> 15

<212> PRT

<213> Homo sapien

<400> 6276

Val	Pro	Leu	Ile	Gln	Ser	Arg	Ile	Val	Gly	Gly	Trp	Glu	Cys	Glu
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<211> 15

<212> PRT

<213> Homo sapien

<400> 6277

Val	Pro	Pro	Phe	Ser	Ala	Phe	Ser	Pro	Gln	Gly	Met	Pro	Glu	Gly
1				5					10					15

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<211> 15

<212> PRT

<213> Homo sapien

<400> 6278

Val	Ser	Asp	Ile	Val	Pro	Pro	Phe	Ser	Ala	Phe	Ser	Pro	Gln	Gly
1				5					10					15

<210> 6279

<211> 15

<212> PRT

<213> Homo sapien

<400> 6279

Val	Ser	Ile	Trp	Asn	Pro	Ile	Leu	Leu	Trp	Gln	Pro	Ile	Pro	Val
1				5					10					15

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<212> PRT

<213> Homo sapien

<400> 6280

Val	Thr	Trp	Ile	Gly	Ala	Ala	Pro	Leu	Ile	Leu	Ser	Arg	Ile	Val
1				5					10					15

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<212> PRT

<213> Homo sapien

<400> 6281

Val	Val	Phe	Leu	Thr	Leu	Ser	Val	Thr	Trp	Ile	Gly	Ala	Ala	Pro
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<212> PRT

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<400> 6282

Val	Val	Lys	Val	Leu	Gly	Leu	Pro	Thr	Gln	Glu	Pro	Ala	Leu	Gly
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<212> PRT

<213> Homo sapien

<400> 6283

Trp	Asp	Leu	Val	Leu	Ser	Ile	Ala	Leu	Ser	Val	Gly	Cys	Thr	Gly
1				5					10					15

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Trp Lys Glu Phe Gly Leu Asp Ser Val Glu Leu Ala His Tyr Asp
1 5 10 15

<210> 6285
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<400> 6285
Trp Asn Leu Leu His Glu Thr Asp Ser Ala Val Ala Thr Ala Arg
1 5 10 15

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<400> 6286
Trp Asn Pro Ile Leu Leu Trp Gln Pro Ile Pro Val His Thr Val
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<400> 6287
Trp Gln Pro Ile Pro Val His Thr Val Pro Leu Ser Glu Asp Gln
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<400> 6288
Tyr Ala Val Val Leu Arg Lys Tyr Ala Asp Lys Ile Tyr Ser Ile
1 5 10 15

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<400> 6289
Tyr Asp Ala Leu Phe Asp Ile Glu Ser Lys Val Asp Pro Ser Lys
1 5 10 15

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<400> 6290
Tyr Asp Pro Leu Tyr Cys Glu Ser Val His Asn Phe Thr Leu Pro
1 5 10 15

<210> 6291
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<400> 6291
Tyr Asp Pro Met Phe Lys Tyr His Leu Thr Val Ala Gln Val Arg

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1              5              10              15
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<212> PRT
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<400> 6292
Tyr Glu Asn Val Ser Asp Ile Val Pro Pro Phe Ser Ala Phe Ser
1              5              10              15
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<212> PRT
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<400> 6293
Tyr Glu Ser Trp Thr Lys Lys Ser Pro Ser Pro Glu Phe Ser Gly
1              5              10              15
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<211> 15
<212> PRT
<213> Homo sapien

<400> 6294
Tyr Lys Lys Leu Ile Met Tyr Ser Ala His Asp Thr Thr Val Ser
1              5              10              15
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<211> 15
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Tyr Asn Gly Leu Leu Pro Pro Tyr Ala Ser Cys His Leu Thr Glu
1              5              10              15
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<211> 15
<212> PRT
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<400> 6296
Tyr Pro Leu Met Leu Pro Gly Cys Ser Pro Ser Cys Pro Leu Glu
1              5              10              15
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<400> 6297
Tyr Arg His Val Ile Tyr Ala Pro Ser Ser His Asn Lys Tyr Ala
1              5              10              15
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<212> PRT
<213> Homo sapien

<400> 6298
Tyr Arg Lys Trp Ile Lys Asp Thr Ile Ala Ala Asn Pro
1              5              10
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A*0202, HLA A*0203, HLAA*0206, HLA A*0207

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A*6801,A*3101

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<210> 6703
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B*5301, B*5401

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DRB1*0401

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DRB1*0405, DRB1*0101

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<210> 6711
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DRB1*0802, DRB1*0803, DRB1*0901, DRB1*1101

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1 5 10 15
Val Thr Pro Arg Thr Pro Pro Pro
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<220>
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<220>
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<220>
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Xaa Met Trp Ala Xaa Xaa Met Xaa Xaa
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<210> 6902
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